

| | | |
|---|----------------------------|---------------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT USE SEVERAL SHEETS IF NECESSARY | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 |
| | APPLICANT Ahlem, et al. | |
| | FILING DATE 3/1/02 | GROUP 1618 / 1618 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------|---------------|------------|-------|----------|-------------------------------|--|
| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| JS | 3,787,453 | 1/22/74 | Farenholtz | — | — | | |
| | | | | | | | |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------|--------------|---------|-------|----------|-------------|----|
| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|---|
| JS | Alauddin, M, et al, Biological activity in steroids possessing nitrogen atoms: Part 1 Synthetic nitrogenous steroids, <i>J. Pharmacy Pharmacol.</i> , 14:325-349 1962 |
| JS | Alauddin, M, et al, Biological activity in steroids possessing nitrogen atoms: Part 2 Steroidal alkaloids, <i>J. Pharmacy Pharmacol.</i> , 14:469-495 1962 |
| JS | Martin-Smith, M, et al, Biological activity in steroids possessing nitrogen atoms: recent advances, <i>J. Pharmacy Pharmacol.</i> , 16:569-595 1964 |
| | |
| | |

| | |
|--|-----------------------------------|
| EXAMINER JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
202.8APPLICATION NO.
10/087,929SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Ahlem, et al.FILING DATE
3/1/02GROUP
~~1618~~ 1618

USE SEVERAL SHEETS IF NECESSARY

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------|-------|----------|-------------------------------|
| | | | | | | |

U.S. PATENT APPLICATION PUBLICATIONS

| EXAMINER INITIAL | PUBLICATION NUMBER | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|---------------|-------|----------|-------------------------------|
| JS | 2002/0019376 A1 | Savage et al. | | | |
| JS | 2004/0097406 A1 | Ahlem et al. | | | |
| | 2003/0113284 A1 | Dalko et al. | | | |
| | 2002/0091278 A1 | Savage et al. | | | |
| | 2003/0060425 A1 | Ahlem et al. | | | |
| | 2004/0116359 A1 | Ahlem et al. | | | |
| | 2004/0060425 A1 | Ahlem et al. | | | |
| | 2002/0187973 A1 | Labrie | | | |
| | 2004/0043973 A1 | Ahlem et al. | | | |
| JS | 2004/0082556 A1 | Labrie et al. | | | |
| | 2003/0083231 A1 | Ahlem et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|--------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| JS | EP 0 576 915 B1 | 01/05/94 | Europe | | | | |
| JS | WO 99/08684 | 08/17/98 | PET WO | | | | |
| JS | WO 97/41867 | 11/13/97 | PET WO | | | | |
| JS | EP 0 576 914 A2 | 01/05/94 | Europe | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

EXAMINER

JAMES M. SPEAR

DATE CONSIDERED

07-06-2005

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|---|--|----------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Ahlem, et al. | |
| | | FILING DATE 3/1/02 | GROUP 1615 / 618 |

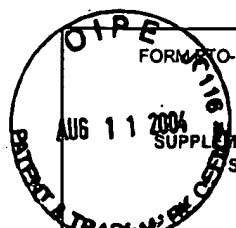


USE SEVERAL SHEETS IF NECESSARY

| INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------|--|
| gs | Wheeler, O., et al, "Steroid derivatives of cysteamine and cysteine", <i>Canadian J of Chem</i> , Vol 47, pp 160-62 (1969) |
| ↑ | Kondziolka, D., et al, "Beneficial effects of the radioprotectant 21-aminosteroid U-74389G in a radiosurgery rat malignant glioma model", <i>Int. J. Rad. Onc. Biol. Phys.</i> , Vol 44 (1), pp. 179-84 (1999) |
| | Evens, R., et al, "Androgens and erythropoiesis", <i>J. Clin. Pharm.</i> , pp. 94-101 (1974) |
| | Sigg, H., et al, <i>Helvetica Chimica ACTA</i> , Vol. 39 (6), pp. 1507 - 1525 (1956) |
| | Mulder, et al., "Dehydroepiandrosterone as predictor for progression to AIDS in asymptomatic human immunodeficiency virus-infected men", <i>J. of Infectious Diseases</i> , 165, pp. 413-18 (1992) |
| | Clerici, et al., "A possible role for the cortisol/anticortisol imbalance in the progression of human immunodeficiency virus", <i>Psychoneuroendocrinology</i> 22 (Suppl 1), pp S27-S31 (1997) |
| | Rasmussen, K., et al, "Effects of dehydroepiandrosterone in immunosuppressed rats infected with cryptosporidium parvum", <i>J. Parasitol</i> , Vol. 79 (3), pp. 364-70 (1993) |
| | Loria, et al., "Androstenediol regulates systemic resistance against lethal infections in mice", <i>archives of Virology</i> , 127, pp. 105-15 (1992) |
| | Gidari, A., et al, "Cyproterone-mediated stimulation of δ -aminolevulinic acid synthetase in chick embryo liver cells", <i>Endocrinology</i> , 99, pp. 130-36 (1976) |
| | Morrow, D., et al, "The synthesis of 17 β -amino-17-isoprogesterone", <i>J Org Chem</i> , pp 579-87 (1965) |
| | Goldman, A., et al, "Inhibitors of human placental C ₁₉ and C ₂₁ 3 β -hydroxysteroid dehydrogenases", <i>Biochimica et Biophysica Acta</i> , 315, pp. 233-49 (1973) |
| | Padgett, et al., "In vitro potentiation of lymphocyte activation by dehydroepiandrosterone, androstenediol, and androstenediol", <i>J. of Immunology</i> , 153, pp. 1544-52 (1994) |
| | Moog, et al., "Oxysterols, but not cholesterol, inhibit human immunodeficiency virus replication in vitro", <i>Antiviral Chemistry & Chemotherapy</i> , pp. 9, pp. 491-96 (1998) |
| | Xia, P, et al, "Anti-AIDS agents. Part 36: 17-carboxylated steroids as potential anti-HIV agents", <i>Bioorganic & Medicinal Chem</i> , 7, pp. 1907-11 (1999) |
| | Daigle, J., et al., "Androstenediol antagonizes herpes simplex virus type 1-induced encephalitis through the augmentation of type 1 IFN production", <i>The J of Immunology</i> , pp. 3060 - 3066 (1998) |
| | Lafaye, P, et al., "The 7 α -hydroxysteroids produced in human tonsils enhance the immune response to tetanus toxoid and Bordetella pertussis antigens", <i>Biochimica et Biophysica Acta</i> , 1472, pp. 222 - 31 (1999) |
| | Fareidn, I., et al., "Transformation in vitro of [4- ¹⁴ C]-dehydroepiandrosterone into 7-oxygenated derivatives by normal human male and female skin tissue", <i>The J of Investigative Dermatology</i> , Vol. 52, No. 4, pp. 357 - 61 (1969) |
| ↓ | Davis, A., et al, "Sterocontrolled synthesis of cholic acid derivatives with N-protected 7 β -and/or 12 β -amino substituents", <i>Tetrahedron Letters</i> , Vol 33, No. 35, pp. 5111-12 (1992) |
| gs | Davis, M., et al, "Steroid amines. Part IV. 3,17-diaminoandrostane derivatives", <i>J Chem. Soc</i> , 11, pp. 1045 - 52 (1967) |

| | |
|--------------------------------|-----------------------------------|
| EXAMINER JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
|--------------------------------|-----------------------------------|

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|--|---|---------------------------|-------------------------------|
|  | FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 |
| | SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | |
| | APPLICANT Ahlem, et al. | | FILING DATE 3/1/02 |

USE SEVERAL SHEETS IF NECESSARY

U.S. PATENT DOCUMENTS

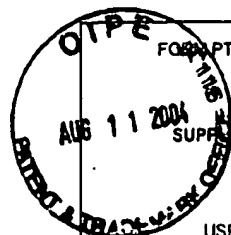
| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------------|-------|----------|-------------------------------|
| JS | 6,667,299 B1 | 12/23/03 | Ahlem et al. | | | |
| JS | 3,631,033 | 12/28/71 | Nathansohn et al. | | | |
| | 3,264,326 | 08/02/66 | Clark et al | | | |
| | 4,424,218 | 01/03/84 | Deraedt et al | | | |
| | 6,046,185 | 04/04/00 | Burgoyne et al | | | |
| | 6,635,629 B2 | 10/21/03 | Raymond et al | | | |
| | 6,706,701 B1 | 03/16/04 | Burgoyne et al | | | |
| | 4,395,408 | 07/26/83 | Torelli et al | | | |
| | 5,292,730 | 03/08/94 | Lardy | | | |
| | 3,780,073 | 12/18/73 | Shroff | | | |
| | 4,118,488 | 10/03/78 | Philippson et al | | | |
| | 5,198,432 | 03/30/93 | Fariss | | | |
| | 5,292,730 | 03/08/94 | Lardy | | | |
| | 5,583,126 | 12/10/96 | Daynes et al. | | | |
| | 5,593,981 | 01/14/97 | Labrie | | | |
| | 5,885,997 | 03/23/99 | Pauza et al | | | |
| | 5,888,534 | 03/30/99 | El-Rashidy et al | | | |
| JS | 5,955,455 | 09/21/99 | Labrie | | | |
| JS | 5,739,136 | 04/14/98 | Ellinwood, Jr., et al. | | | |

U.S. PATENT APPLICATION PUBLICATIONS

| EXAMINER INITIAL | PUBLICATION NUMBER | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|------|-------|----------|-------------------------------|
| | | | | | |

EXAMINER JAMES M. SPEAR DATE CONSIDERED 07-06-2005

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
202.8APPLICATION NO.
10/087,929SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Ahlem, et al.FILING DATE
3/1/02GROUP
1615 1618

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|--------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| JS | WO 97/34871 | 09/25/97 | PCT WO | | | | |
| ↑ | WO 97/37662 | 03/19/97 | PCT WO | | | | |
| | WO 97/37664 | 10/16/97 | PCT WO | | | | |
| | WO 97/40062 | 03/26/97 | PCT WO | | | | |
| ↓ | WO 98/02450 | 07/11/97 | PCT WO | | | | |
| JS | WO 99/25333 | 11/19/97 | PCT WO | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|---|
| JS | Jones, et al, "Steroids and Steroidases. 10. Studies on some potentially antitumor active androstane compounds containing C-17 nitrogen mustard functions", <i>J of Med Chem</i> , Vol 14 (9), pp. 827-33 (1971) |
| ↑ | Arth, G., et al., "Steroidal androgen biosynthesis inhibitors", <i>J of Med Chem</i> , Vol 14 (8), pp. 675-79 (1971) |
| | Yagishita, K., "Studies on antimicrobial activities and aminosteroids - II", <i>Bull. Coll. Agr. & Vet. Med., Nihon Univ.</i> , No. 28, pp. 8 - 17 (1971) |
| | Pettit, G., et al, "Structural biochemistry. IV. 3β-hydroxy-17β-(L-prolyl)amino-androst-5-ene", <i>Canadian J of Chem</i> , Vol. 45, pp. 501 - 07 (1967) |
| | Navarro, J., et al, "Androgen therapy for anemia in elderly uremic patients", <i>Intl Urology and Nephrology</i> , 32, pp. 549-57 (2001) |
| | Whitnall, M., et al, "In vivo radioprotection by 5-androstenediol: Stimulation of the innate immune system", <i>Radiation Research</i> , 156, pp. 283-93 (2001) |
| | Byron, J., "Nature of the erythropoietin-independent response of CFU-S to steroids", <i>Exp. Hematol.</i> , 8, pp. 160-67 (1980) |
| | Levere, R., et al, "Steroid metabolites and the control of hemoglobin synthesis", <i>Bull. NY Acad. Med</i> , Vol. 50 (5), pp. 563-75 (1974) |
| | Fisher, J., et al, "Androgens and erythropoiesis", <i>Israel J. Med. Sci.</i> , 7, pp. 892-900 (1971) |
| | Nema, S., et al, "Excipients and their use in injectable products", <i>PDA J of Pharm Sci & Tech</i> , Vol. 51(4), pp. 166-171 (1997) |
| ↓ | Ben-Nathan, et al, "Dehydroepiandrosterone protects mice inoculated with west nile virus and exposed to cold stress", <i>J. Med. Virol.</i> , 38, pp. 159-66 (1992) |
| JS | Carr, D., "Increased levels of IFN-γ in the trigeminal ganglion correlate with protection against HSV-1-induced encephalitis following subcutaneous administration with androstenediol", <i>J. of Neuroimmunology</i> , 89, pp. 160-87 (1998) |
| | |

| | | | |
|--|----------------|-----------------|------------|
| EXAMINER | JAMES M. SPEAR | DATE CONSIDERED | 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
202.8APPLICATION NO.
10/087,929SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

USE SEVERAL SHEETS IF NECESSARY

APPLICANT
Ahlem, et al.FILING DATE
3/1/02GROUP
1616

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-------------|-------|----------|-------------------------------|
| JS | 4,412,953 | 11/01/83 | Winters | 1 | 1 | |
| ↑ | 3,155,690 | 11/03/64 | Cole | 1 | 1 | |
| ↓ | 3,187,022 | 06/01/65 | Morrow | 1 | 1 | |
| JS | 3,137,710 | 05/16/64 | de Ruggieri | 1 | 1 | |
| | | | | | | |

U.S. PATENT APPLICATION DOCUMENTS

| EXAMINER INITIAL | DOCUMENT SERIAL NUMBER | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|---------------------------|------|-------|----------|-------------------------------|
| | | | | | |

FOREIGN PATENT DOCUMENTS

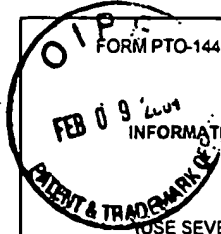
| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|--------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|---|
| JS | Ben-Nathan, D. "Protection by dehydroepiandrosterone in mice infected with viral encephalitis", <i>Arch. Virol.</i> , Vol 120 (3-4), pp. 263-71 (1991) |
| ↑ | Rasmussen, K., et al, "Effects of dehydroepiandrosterone in immunosuppressed adult mice infected with cryptosporidium parvum", <i>J. Parasitol.</i> , Vol. 81 (3), pp. 429-33 (1995) |
| ↓ | Woods, M., et al, "Treatment of aged mice with dehydroepiandrosterone provides an adjuvant effect in the immunization with recombinant hepatitis B surface antigen", <i>J. Immunol.</i> , Vol. 150 (8)(2), pp. 77a (1993) |
| JS | Flouret, G., et al, "17-Aminoacylamido steroid antidepressants", <i>J of Medicinal Chem.</i> , 1972, Vol. 15 (12), pp. 1281-83 (1972) |
| | Stickney, D., et al, "HE2100 and HE3204 protect rhesus macaques from chemotherapy or radiation induced myelosuppression", 40 th Annual Meeting American Society of Clinical Oncology, <i>Proceedings of ASCO</i> (poster and abstract 6668), Vol. 23, pp. 597 (2004) |
| | |
| | |

EXAMINER JAMES M. SPEAR

DATE CONSIDERED 07-07-2005

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

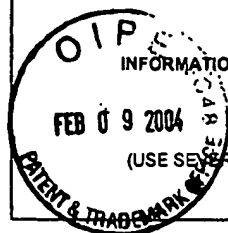
| | | |
|--|----------------------------|-------------------------------|
|  FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 |
| | APPLICANT Ahlem, et al. | |
| | FILING DATE 3/1/02 | GROUP 1616 1618 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|---------------|--------------------|-------|----------|---------------------------------|
| JS | 2,531,441 | 11/28/50 | Julian et al. | | | |
| JS | 2,561,378 | 7/24/51 | Julian et al. | | | |
| JS | 2,566,336 | 9/4/51 | Julian et al. | | | |
| JS | 2,705,238 | 3/29/55 | Julian et al. | | | |
| JS | 3,001,988 | 9/26/61 | Nysted | | | |
| JS | 3,004,968 | 10/17/61 | Jeger et al. | | | |
| JS | 3,026,318 | 3/20/62 | Hewett | | | |
| JS | 3,080,360 | 3/5/63 | Pappo | | | |
| JS | 3,153,063 | 10/13/64 | Ruggieri et al. | | | |
| JS | 3,189,597 | 6/15/65 | MacPhillamy et al. | | | |
| JS | 4,263,290 | 4/21/81 | Nedelec et al. | | | |
| JS | 4,292,251 | 9/29/81 | Overbeek | | | |
| JS | 4,310,523 | 1/12/82 | Neumann | | | |
| JS | 4,329,296 | 5/11/82 | Tax | | | |
| JS | 4,330,539 | 5/18/82 | Sleigh et al. | | | |
| JS | 4,424,218 | 1/3/84 | Deraedt et al. | | | |
| JS | 4,602,008 | 7/22/86 | Krsek | | | |
| JS | 4,898,694 | 2/6/90 | Schwartz et al. | | | |
| JS | 4,956,355 | 9/11/90 | Prendergast | | | |
| JS | 5,001,119 | 3/19/91 | Schwartz et al. | | | |
| JS | 5,028,631 | 7/2/91 | Schwartz et al. | | | |
| JS | 5,077,284 | 12/31/91 | Loria et al. | | | |
| JS | 5,145,874 | 9/8/92 | Johnson et al. | | | |
| JS | 5,175,154 | 12/29/92 | Schwartz et al. | | | |
| JS | 5,206,008 | 4/27/93 | Loria | | | |
| JS | 5,372,996 | 12/13/94 | Labrie | | | |
| JS | 5,387,583 | 2/7/95 | Loria | | | |

| | |
|--|-------------------------------|
| EXAMINER JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
202.8APPLICATION NO.
10/087,929INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Ahlem, et al.FILING DATE
3/1/02GROUP
~~1616~~ / 618

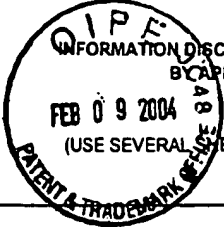
U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|---------------|------------------|-------|----------|---------------------------------|
| gs | 5,206,008 | 4/27/93 | Loria | | | |
| ↑ | 5,407,684 | 4/18/95 | Loria et al. | | | |
| | 5,424,463 | 6/3/95 | Lardy | | | |
| | 5,461,042 | 10/24/95 | Loria | | | |
| | 5,478,566 | 12/26/95 | Loria | | | |
| | 5,489,581 | 2/6/96 | Daynes et al. | | | |
| | 5,494,899 | 2/27/96 | Kincade et al. | | | |
| | 5,532,230 | 7/2/96 | Daynes et al. | | | |
| | 5,583,126 | 12/10/96 | Daynes et al. | | | |
| | 5,585,371 | 12/17/96 | Lardy | | | |
| | 5,599,806 | 2/4/97 | Cerri et al. | | | |
| | 5,641,768 | 6/24/97 | Loria | | | |
| | 5,686,438 | 11/11/97 | Daynes et al. | | | |
| | 5,696,106 | 12/9/97 | Schwartz et al. | | | |
| | 5,705,662 | 1/6/98 | Cerri et al. | | | |
| | 5,728,688 | 3/17/98 | Labrie | | | |
| | 5,763,433 | 6/9/98 | Morfin | | | |
| | 5,776,923 | 7/7/98 | Labrie | | | |
| | 5,811,418 | 9/22/98 | Daynes et al. | | | |
| | 5,824,668 | 10/20/98 | Rubinfeld et al. | | | |
| | 5,837,269 | 11/17/98 | Daynes et al. | | | |
| | 5,846,963 | 12/8/98 | Araneo et al. | | | |
| | 5,908,833 | 6/1/99 | Brattsand et al. | | | |
| | 5,912,240 | 6/15/99 | Loria | | | |
| ✓ | 5,977,095 | 11/2/99 | Araneo et al. | | | |
| gs | 6,013,642 | 1/11/00 | Foulkes et al. | | | |

EXAMINER JAMES M. SPEAR

DATE CONSIDERED 07-06-2005

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|---|--|----------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 |
|  | | APPLICANT Ahlem, et al. | |
| | | FILING DATE 3/1/02 | GROUP 1616 1618 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|---------------|--------------|-------|----------|---------------------------------|
| JS | 6,395,722 | 5/28/02 | Gilat | 1 | 1 | |
| JS | 6,667,299 B1 | 12/23/03 | Ahlem et al. | 1 | 1 | |

U.S. PATENT APPLICATION DOCUMENTS

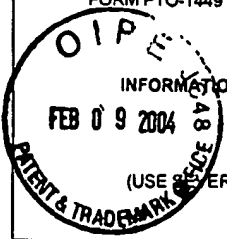
| EXAMINER INITIAL | DOCUMENT SERIAL NUMBER | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|---------------------------|---------------|-------|----------|---------------------------------|
| | 09/820,483 | Ahlem et al. | 1 | 1 | |
| | 10/087,929 | Ahlem et al. | 1 | 1 | |
| | 10/166,423 | Labrie | 1 | 1 | 8/11/99 |
| | 10/319,356 | Ahlem, et al. | 1 | 1 | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|--------------|----------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| JS | GB 2 057 448 | 4/1/81 | United Kingdom | 1 | 1 | | |
| ↑ | WO 97/13500 | 4/17/97 | PCT WO | 1 | 1 | | |
| | WO 97/17992 | 5/22/97 | PCT WO | 1 | 1 | | |
| | WO 97/48401 | 12/24/97 | PCT WO | 1 | 1 | | |
| | WO 00/56757 | 9/28/00 | PCT WO | 1 | 1 | | |
| ↓ | WO 01/30802 | 5/3/01 | PCT WO | 1 | 1 | | |
| JS | WO 01/42273 | 6/14/01 | PCT WO | 1 | 1 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|---------------------|---|
| JS | Araghi-Niknam, et al, Cytokine dysregulation and increased oxidation is prevented by dehydroepiandrosterone in mice infected with murine leukemia retrovirus, <i>Proc. Soc. Exp. Biol. Med.</i> 216, pages 386-391 (1997) |

| | | | |
|--|----------------|-----------------|------------|
| EXAMINER | JAMES M. SPEAR | DATE CONSIDERED | 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |

| | | |
|---|---------------------------|---|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/087,929 APPLICANT Ahlem, et al. FILING DATE 3/1/02 GROUP 1610 1618 |
|---|---------------------------|---|

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|---------------------|---|
| JS | Araghi-Niknam, et al, Modulation of immune dysfunction during murine leukemia retrovirus infection of old mice by dehydroepiandrosterone sulfate (DHEAS), <i>Immunology</i> , 90, pages 344-349 (1997) |
| ↑ | Bebo, et al, Androgens alter the cytokine profile and reduce encephalitogenicity of myelin-reactive T cells, <i>J. Immunology</i> , 162, pp. 35-40, (1999) |
| | Henderson, et al, Dehydroepiandrosterone and 16.alpha.-bromoepiandrosterone: Inhibitors of Epstein-Barr virus induced transformation of human lymphocytes, <i>Carcinogenesis</i> , vol. 2, no. 7, pages 683-686 (1981) |
| | Hernandez-Pando, et al, The effects of androstenediol and dehydroepiandrosterone on the course and cytokine profile of tuberculosis in BALB/c mice, <i>Immunology</i> , 95, pages 234-241 (1998) |
| | Inserra, et al, Modulation of cytokine production by dehydroepiandrosterone (DHEA) plus melatonin (MLT) supplementation of old mice, <i>Proc. Soc. Exp. Biol. Med.</i> , 218, pages 76-82 (1998) |
| | Kang, et al, Dehydroepiandrosterone and beta-endorphin enhance IL-12 gene expression, <i>Chemical Abstracts</i> , vol. 126, no. 9, 399-404 (1997) |
| | Manz, et al, Methyl 17.beta.-carboxyester derivatives of natural and synthetic glucocorticoids: correlation between receptor binding and inhibition of in vitro phytohemagglutinin-induced lymphocyte blastogenesis, <i>J. Clin. Chem. Clin. Biochem</i> , 21, 69-75 (1983) |
| ↓ | Yang et al, Inhibition of HIV-1 Latency Reactivation by Dehydroepiandrosterone (DHEA) and an Analog of DHEA, <i>Aids Research and Human Retroviruses</i> , Vol. 9, no 8, 747-754, 1993 |
| JS | Zhang, et al, Prevention of immune dysfunction and vitamin E loss by dehydroepiandrosterone and melatonin supplementation during murine retrovirus infection, <i>Immunology</i> , 96, 291-297 (1999) |

| | |
|--|----------------------------|
| EXAMINER* JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
202.8

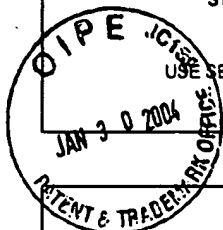
APPLICATION NO.

10/087,929

10/087,929

SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Ahlem, et al.FILING DATE
3/1/02GROUP
1610

USE SEVERAL SHEETS IF NECESSARY



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|------------------|-------|----------|-------------------------------|
| JS | 4,507,289 | 3/26/85 | Coleman et al. | | | |
| JS | 4,701,450 | 10/20/87 | Kelder et al. | | | |
| | 5,183,815 | 2/2/93 | Saari et al. | | | |
| | 5,527,789 | 6/18/96 | Nyce | | | |
| | 5,660,835 | 8/26/97 | Nyce | | | |
| | 5,681,964 | 10/28/97 | Ashton, et al. | | | |
| | 5,686,436 | 11/11/97 | Van Dyke | | | |
| | 5,744,462 | 4/28/98 | Schwartz, et al | | | |
| | 5,753,237 | 5/19/98 | Daynes, et al | | | |
| | 5,827,841 | 10/27/98 | Daynes et al. | | | |
| | 5,859,000 | 1/12/99 | Dowell, et al | | | |
| | 5,919,465 | 7/6/99 | Daynes et al. | | | |
| | 6,087,351 | 11/2/99 | Nyce | | | |
| | 6,286,515 | 7/31/01 | Schneider et al. | | | |
| JS | 6,667,299 | 12/23/03 | Ahlem et al. | | | 3/16/00 |

U.S. PATENT APPLICATION DOCUMENTS

| EXAMINER INITIAL | DOCUMENT SERIAL NUMBER | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|---------------------------|------|-------|----------|-------------------------------|
| | | | | | |
| | | | | | |
| | | | | | |

EXAMINER

JAMES M. SPEAR


DATE CONSIDERED

07-06-2005

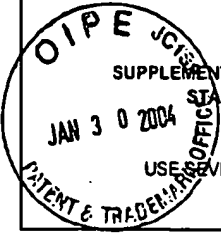
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|---|--|----------------------------|--|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/082,929 10/087,929 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Ahlem, et al. | |
| USE SEVERAL SHEETS IF NECESSARY | | FILING DATE 3/1/02 | GROUP 1616 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--|-----------------|--------------|---------|-------|----------|-------------|----|--|
| EXAMINER INITIAL | DOCUMENT NUMBER | PUB. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | |
| | | | | | | YES | NO | |
| JS ↑ < | | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---|---|
|  | Abou-Gharbia, et al., Epiandrosterone- and Dehydroepiandrosterone-3 β -alkanesulfonates as Inhibitors of Mouse Glucose-6-phosphate Dehydrogenase Activity, <i>Journal of Pharmaceutical Sciences</i> , Vol. 73, No. 11, pp. 1643-1645 1984 |
| | Abou-Gharbia, et al., Synthesis of Dehydroepiandrosterone Sulfatide and 16 α -Halogenated Steroids, <i>Journal of Pharmaceutical Sciences</i> , Vol. 70, No. 10, pp. 1154-1157 1981 |
| | Adams, et al., Adrenal dehydroepiandrosterone and human mammary cancer, <i>Cancer Res.</i> 38:4036-4040 1978 |
| | Belovsky, et al, Inhibition of glucose-6-phosphate dehydrogenase by steroids VIII: Effects of synthetic C ₁₉ - and C ₂₀ -steroids upon placental glucose-6-phosphate dehydrogenase, <i>J. Steroid Biochem.</i> , 5:697-700 1974 |
| | Dale, et al, Comparison of agents producing a neutrophilic leukocytosis in man. Hydrocortisone, prednisone, endotoxin, and etiocholanolone, <i>J. Clin. Invest.</i> , 56:808-813 1975 |
| | Deinard, et al., A study of steroid-induced granulocytosis in a patient with chronic benign neutropenia of childhood, <i>Brit. J. Hematol.</i> , 28:333-345 1974 |
| | Evans, et al., The erythropoietic response to anabolic therapy in patients receiving radiotherapy, <i>J. Clin. Pharmacol.</i> , 12:101-104 1972 |
| | Francis, et al., The effect of androstanes on granulopoiesis <i>in vitro</i> and <i>in vivo</i> , <i>British J. Hematol.</i> , 36:501-510 1977 |
| | Frey-Wettstein, et al., Testosterone-induced depletion of thymus and marrow lymphocytes as related to lymphopoiesis and hematopoiesis, <i>Blood.</i> , 35:257-271 1970 |
| | |

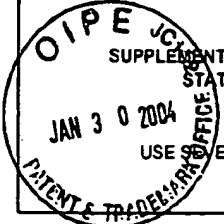
| | | | |
|--|----------------|-----------------|------------|
| EXAMINER | JAMES M. SPEAR | DATE CONSIDERED | 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |

| | | |
|--|----------------------------|---|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/082,929 10/087,929 |
| | APPLICANT Ahlem, et al. | |
| | FILING DATE 3/1/02 | GROUP 1610 |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|--|
| JS | Gallicchio, et al., Regeneration of murine megakaryocytopoiesis and the hematopoietic inductive microenvironment after sublethal whole body irradiation by treatment with an anabolic steroid, <i>Acta Hematol.</i> , 73:80-85 1985 |
| ↑ | Gorshein, et al., Tissue culture of bone marrow. V. Effect of 5β(H) steroids and cyclic AMP on heme synthesis, <i>Am. J. Physiol.</i> , 228:1024-1028 1975 |
| | Chang, et al, Suppression of Δ5-androstenediol-induced androgen receptor transactivation by selective steroids in human prostate cancer cells, <i>Proc. Natl. Acad. Sci. U.S.A.</i> 96:11173-11177 1999 |
| | Horn, A comparison of two androgenic hormones as leukopoietic agents in irradiated rats, <i>Oncology</i> , 26:16-24 1972 |
| | Horn, Leucopoietic properties of four different androgenic hormones in irradiated rats, <i>Scand. J. Hematol.</i> , 8:470-475 1971 |
| | Horn, The effect of androgenic hormones on bone marrow of rats receiving chemotherapy, <i>Oncology</i> , 25:512-519 1971 |
| | Horn, et al., The effect of androgens on erythroid and granulocytic marrow recovery in the irradiated rat, <i>Acta Hematol.</i> , 48:300-305 1972 |
| | Johnson, et al, Active site-directed inhibition of rabbit cytochrome P-450 1 by amino-substituted steroids, <i>J. Biol. Chem.</i> , 261:10204-10209 1986 |
| | Kabara, et al, Structure-function activity of azasterols and nitrogen-containing steroids, <i>Lipids</i> , 11:755-762 1976 |
| | Kennedy, Stimulation of hematopoiesis by androgenic hormones, <i>Geriatrics</i> , 20:808-815 1965 |
| | Kellis, et al, Amino-steroids as inhibitors and probes of the active site of cytochrome P-450sc. Effects on the enzyme from different sources, <i>J. Steroid Biochem.</i> , 20:671-676 1984 |
| | Lardy, et al., Ergosteroids. II: Biologically active metabolites and synthetic derivatives of dehydroepiandrosterone, <i>Steroids</i> 63:158-165 1998 |
| | Loria, et al., Regulation of the immune response by dehydroepiandrosterone and its metabolites, <i>J. Endocrinol.</i> 150 Suppl.: S209-220 1996 |
| | Lucas, et al., Some hypotensive amino steroid glycosides, <i>J. Amer. Chem. Soc.</i> , 82:5688-5693 1960 |
| | Marwa, et al, Ergosteroids IV: synthesis and biological activity of steroid glucuronosides, ethers, and alkylcarbonates, <i>Steroids</i> . 66:581-595 2001 |
| | Michel et al., New azasteroidal antifungal antibiotics from <i>Geotrichum Flavobrunneum</i> : II. Isolation and characterization, <i>J. Antibiotics</i> , 28:102-111 1975 |
| | Moores et al., Stimulation of erythropoietin by androgen in the human, <i>Scand. J. Hematol.</i> , 5:415-424 1968 |
| | Norbiato, G., et al., Glucocorticoid Resistance and the Immune Function in the Immunodeficiency Syndrome, <i>Ann. N.Y. Acad. Sci.</i> , Vol. 840, pp. 835-847 1998 |
| | Norbiato, G., et al., Glucocorticoids and the Immune Function in the Human Immunodeficiency Virus Infection: A Study in Hypercortisolemic and Cortisol-Resistant Patients, <i>Journal of Clinical Endocrinology and Metabolism</i> , Vol. 82, No. 10, pp. 3260-3263 1997 |
| | Norbiato, G, et al., Glucocorticoids and Interferon-α in the acquired immunodeficiency syndrome, <i>Journal of Clinical and Metabolism</i> , Vol. 81, No. 7, 1996 |
| | Pashko, L., et al., Inhibition of DNA synthesis in mouse epidermis and breast epithelium by dehydroepiandrosterone and related steroids, <i>Carcinogenesis</i> , 2:717-721 1981 |
| | Pittaway, Inhibition of testosterone synthesis in the canine testis in vitro, <i>Contraception</i> , 27:431-436 1983 |
| ↓ | Rawbone, et al., Anabolic steroids and bone marrow toxicity during therapy with methotrexate, <i>British J. Cancer</i> , 26:395-401 1972 |
| JS | Rosenblum, et al., Androgenic hormones and human granulopoiesis <i>in vitro</i> , <i>Blood</i> , 43:351-356 1974 |

| | |
|-------------------------|----------------------------|
| EXAMINER JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
|-------------------------|----------------------------|

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|---|--|----------------------------|--|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 202.8 | APPLICATION NO. 10/082,929 10/087,929 |
|  | | APPLICANT Ahlem, et al. | |
| | | FILING DATE 3/1/02 | GROUP 1610 |

| EXAMINER INITIAL | OTHER DOCUMENTS INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|--|
| JS | Ruzicka, et al., Sex hormones XII, About amines of the androstene group, <i>Helv. Chim. ACTA</i> , 19:107-108 1936 translation of first four paragraphs at page 107 |
| ↑ | Shearer, G., Commentary: Th1/Th2 changes in aging, <i>Mechanisms of Ageing and Development</i> , 94:1-5 1997 |
| | Shearer, et al., Cytokine Profiles in HIV Type 1 Disease and Protection, <i>AIDS Research and Human Retroviruses</i> , 14:S-14-S-152 1998 |
| | Sheets et al., Active site-directed inhibitors of cytochrome P-450scc. Structural and mechanistic implications of a side chain-substituted series of amino-steroids, <i>J. Biol. Chem.</i> 258:11446-11452 1983 |
| | Sheets et al., Proximity of the substrate binding site and the heme-iron catalytic site in cytochrome P-450scc, <i>Proc. Natl. Acad. Sci. USA</i> 79:5773-5777 1982 |
| | Singer, et al., Steroids and hematopoiesis. III. The response of granulocytic and erythroid colony-forming cells to steroids of different classes, <i>Blood</i> , 48:855-864 1976 |
| | Singer, et al., Steroids and hematopoiesis. I. The effect of steroids on in vitro erythroid colony growth: structure/activity relationships, <i>J. Cell. Physiol.</i> , 88:127-134 1976 |
| | Udupa, et al., Stimulation of granulopoiesis by androgens without concomitant increase in the serum level of colony stimulating factor, <i>Exp. Hematol.</i> , 3:26-31 1975 |
| | Udupa, et al., Acceleration of granulopoietic recovery by androgenic steroids in mice made neutropenic by cytotoxic drugs, <i>Cancer Res.</i> , 34:2517-2520 1974 |
| | Vincze, et al., Steroids 54. Amino acylamidosteroids, <i>Steroids</i> , 61, 697-702 1996 |
| | Weinstein, et al., Effects of testosterone metabolites and of anabolic androgens on the bone marrow and thymus in castrated female mice, <i>Immunopharmacology</i> , 5:239-250 1983 |
| | Whitcomb, J. et al., Dehydroepiandrosterone and 16 α -Br-epiandrosterone inhibit 12-O-tetradecanoylphorbol-13-acetate stimulation of superoxide radical production by human polymorphonuclear leukocytes, <i>IRL Press Ltd., Oxford, England</i> , pp. 333-335 1984 |
| | Whitnall, et al., Androstenediol stimulates myelopoiesis and enhances resistance to infection in gamma-irradiated mice, <i>Int. J. Immunopharmacol.</i> , 22:1-14 2000 |
| JS | Whitnall, et al., Androstenediol stimulates myelopoiesis but not lymphopoiesis in irradiated mice, <i>Blood.</i> , 90 Suppl. 1 part 1:175A 1997 |
| | |

| | |
|--|-----------------------------------|
| EXAMINER JAMES M. SPEAR | DATE CONSIDERED 07-06-2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |